

Title (en)
Gas current classifier and process for producing toner

Title (de)
Gasstrom-Klassierer und Verfahren zur Herstellung von Toner

Title (fr)
Classificateur à courant de gaz et procédé pour la production de toner

Publication
EP 0703011 A1 19960327 (EN)

Application
EP 95114816 A 19950920

Priority

- JP 25157594 A 19940921
- JP 33758194 A 19941228
- JP 33762094 A 19941228

Abstract (en)
A gas current classifier (1) which comprises a classifying chamber (32), a material feed nozzle (16) for introducing a material powder (41) into the classification zone of the classifying chamber (32), and a Coanda block (26) for classifying the material powder thus introduced by the Coanda effect to separate the powder into at least a fraction of fine powder and a fraction of coarse powder, wherein the material feed nozzle (16) has a material receiving opening (40) for introducing the material powder into the material feed nozzle (16) the material powder is introduced into the classification zone from an orifice (16a) of the material feed nozzle (16) while its flow is accelerated by the gas stream within the material feed nozzle (16) and the Coanda block (26) is provided at a position higher than the orifice (16a) of the material feed nozzle (16). <IMAGE>

IPC 1-7
B07B 7/086; **G03G 9/08**

IPC 8 full level
B07B 7/086 (2006.01); **B07B 11/04** (2006.01); **B07B 11/06** (2006.01); **G03G 9/08** (2006.01)

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B07B 7/0865 (2013.01 - EP US); **B07B 11/04** (2013.01 - EP US); **B07B 11/06** (2013.01 - EP US); **G03G 9/0817** (2013.01 - EP US); **G03G 9/0821** (2013.01 - EP US); **G03G 15/08** (2013.01 - KR)

Citation (search report)

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- [A] DE 4339532 A1 19940804 - JETZLSBERGER MONTAGE GMBH [AT]
- [A] NL 8202809 A 19840201 - JOHANNES PETRUS MARIE KOOYMAN

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